

PID Correction Factors

Compound Name	Formula	9.8	C	10.6	C	11.7	C	IP (eV)	Compound Name	Formula	9.8	C	10.6	C	11.7	C	IP (eV)
Acetaldehyde	C ₂ H ₄ O	NR	+	6	+	3.3	+	10.23	Bromobenzene	C ₆ H ₅ Br			0.6		0.46		8.98
Acetic Acid	C ₂ H ₄ O ₂	NR	+	22	+	2.6	+	10.66	Bromoethyl methyl ether, 2-	C ₃ H ₇ OBr			0.84	+			~10
Acetic Anhydride	C ₄ H ₆ O ₃	NR	+	6.1	+	2.0	+	10.14	Bromoform	CHBr ₃	NR	+	2.5	+	0.5	+	10.48
Acetone	C ₃ H ₆ O	1.2	+	1.1	+	1.4	+	9.71	Bromopropane, 1-	C ₃ H ₇ Br	150	+	1.5	+	0.6	+	10.18
Acetonitrile	C ₂ H ₃ N					100		12.19	Butadiene	C ₄ H ₆	0.8		0.85	+	1.1		9.07
Acetylene	C ₂ H ₂					2		11.40	Butadiene diepoxide, 1,3-	C ₄ H ₆ O ₂	25	+	3.5	+	1.2		~10
Acrolein	C ₃ H ₄ O	42	+	3.9	+	1.4	+	10.10	Butane	C ₄ H ₁₀			67	+	1.2		10.53
Acrylic Acid	C ₃ H ₄ O ₂			12	+	2.0	+	10.60	Butanol, 1-	C ₄ H ₁₀ O	70	+	4.7	+	1.4	+	9.99
Acrylonitrile	C ₃ H ₃ N			NR	+	1.2	+	10.91	Butanol, t-	C ₄ H ₁₀ O	6.9	+	2.9	+			9.90
Allyl alcohol	C ₃ H ₆ O	4.5	+	2.4	+	1.6	+	9.67	Butene, 1-	C ₄ H ₈			0.9				9.58
Allyl chloride	C ₃ H ₅ Cl			4.3		0.7		9.9	Butoxyethanol, 2-	C ₆ H ₁₄ O ₂	1.8	+	1.2	+	0.62	+	<10
Ammonia	H ₃ N	>400	+	9.7	+	5.7	+	10.16	Butyl acetate, n-	C ₆ H ₁₄ O ₂			2.6	+			10
Amyl acetate	C ₇ H ₁₄ O ₂	11	+	2.3	+	0.95	+	<9.9	Butyl acrylate, n-	C ₆ H ₁₄ O ₂			1.6	+	0.61	+	
Amyl alcohol	C ₅ H ₁₂ O			5				10.00	Butylamine, n-	C ₄ H ₁₁ N	1.1	+	1.1	+	0.7	+	8.71
Aniline	C ₇ H ₇ N	0.50	+	0.48	+	0.47	+	7.72	Butyl hydroperoxide, t-	C ₄ H ₁₀ O ₂	2.0	+	1.6	+			<10
Anisole	C ₇ H ₈ O			0.8				8.21	Butyl mercaptan	C ₄ H ₁₀ S	0.55	+	0.52	+			9.14
Arsine	AsH ₃			1.9	+			9.89	Carbon disulfide	CS ₂	4	+	1.2	+	0.44	+	10.07
Benzaldehyde	C ₇ H ₆ O					0.95		9.49	Carbon tetrachloride	CCl ₄	NR	+	NR	+	1.7	+	11.47
Benzene	C ₆ H ₆	0.55	+	0.53	+	0.6	+	9.25	Carbonyl sulfide	COS							11.18
Benzonitrile	C ₇ H ₅ N			1.6				9.62	Chlorine	Cl ₂					1.0	+	11.48
Benzyl alcohol	C ₇ H ₈ O	1.4	+	1.1	+	0.9	+	8.26	Chlorine dioxide	ClO ₂	NR	+	NR	+	NR	+	10.57
Benzyl chloride	C ₇ H ₇ Cl	0.7	+	0.6	+	0.5	+	9.14	Chloro-1,3-butadiene, 2-	C ₄ H ₅ Cl			3				
Benzyl formate	C ₈ H ₈ O ₂	0.9	+	0.73	+	0.66	+		Chlorobenzene	C ₆ H ₅ Cl	0.44	+	0.40	+	0.39	+	9.06
Boron trifluoride	BF ₃	NR		NR		NR		15.5	Chloro-1,1 difluoroethane	C ₂ H ₃ ClF ₂			NR		NR		12.0
Bromine	Br ₂	NR	+	1.3	+	0.74	+	10.51	Chlorodifluoromethane	CHClF ₂	NR		NR		NR		12.2

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Chloroethane	C ₂ H ₅ Cl	NR	+	NR	+	1.1	+	11.0	Dibromoethane, 1,2-	C ₂ H ₄ Br ₂	NR	+	1.7	+	0.64	+	10.37
Chloroethanol	C ₂ H ₅ ClO							10.52	Dichlorobenzene, o-	C ₆ H ₄ Cl ₂	0.54	+	0.47	+	0.38	+	9.08
Chloroethyl ether, 2-	C ₄ H ₈ C ₁₂ O	8.6	+	3.0	+				Dichlorodifluoromethane	CCl ₂ F ₂			NR	+	NR	+	11.75
Chloroethyl methyl ether, 2-	C ₃ H ₇ ClO			3					Dichlorodimethylsilane	C ₂ H ₆ Cl ₂ Si	NR		NR		1.1	+	>10.7
Chloroform	CHCl ₃	NR	+	NR	+	3.5	+	11.37	Dichloroethane, 1,2-	C ₂ H ₄ Cl ₂			NR	+	0.6	+	11.0
Chloro-2-methylpropene, 3-	C ₄ H ₇ Cl	1.4	+	1.2	+	0.63	+		Dichloroethene, 1,1-	C ₂ H ₂ Cl ₂			0.82	+	0.8	+	9.79
Chloropicrin	CCl ₃ NO ₃	NR	+	~400	+	7	+		Dichloroethene, c-1,2-	C ₂ H ₂ Cl ₂			0.8				9.66
Chlorotoluene, o-	C ₇ H ₇ Cl			0.5		0.6		8.83	Dichloroethene, t-1,2-	C ₂ H ₂ Cl ₂			0.45	+	0.34	+	9.65
Chlorotoluene, p-	C ₇ H ₇ Cl					0.55		8.69	Dichloro-1-fluoroethane, 1,1-	C ₂ H ₃ Cl ₂ F	NR	+	NR	+	2.0	+	
Chlorotrifluoroethene	C ₂ ClF ₃	6.7	+	3.9	+	1.2	+	9.76	Dichloropentafluoropropane	C ₃ HCl ₂ F ₅	NR	+	NR	+	25	+	
Chlorotrimethylsilane	C ₃ H ₉ ClSi	NR		NR		0.82	+	10.83	Dichloropropane, 1,2-	C ₃ H ₆ Cl ₂					0.7		10.87
Crotonaldehyde	C ₄ H ₆ O	1.5	+	1.1	+	1.0	+	9.73	Dichloro-1-propene, 1,3-	C ₃ H ₄ Cl ₂	1.3	+	0.96	+			
Cumene	C ₉ H ₁₂	0.58	+	0.54	+	0.4	+	8.73	Dichloro-1-propene, 2,3-	C ₃ H ₄ Cl ₂	1.9	+	1.3	+	0.67	+	<10
Cyanogen bromide	CNBr	NR		NR		NR		11.84	Dichloro-1,1,1-trifluoroethane, 2,2-	C ₂ HCl ₂ F ₃	NR	+	NR	+	10.1	+	11.5
Cyanogen chloride	CNCl	NR		NR		NR		12.34	Dichloro-2,4,6-trifluoropyridine, 3,5-	C ₅ Cl ₂ F ₃ N	1.1	+	0.9	+	0.8	+	
Cyclohexane	C ₆ H ₁₂	3.3	+	1.4	+	0.64	+	9.86	Dichlorvos	C ₄ H ₇ Cl ₂ O ₄ P			0.9	+			<9.4
Cyclohexanol	C ₆ H ₁₂ O					1.1		9.75	Dicyclopentadiene	C ₁₀ H ₁₂	0.57	+	0.48	+	0.43	+	8.8
Cyclohexanone	C ₆ H ₁₀ O	1.0	+	0.9	+	0.7	+	9.14	Diesel Fuel #2, whole	m.w. 226			0.9	+			
Cyclohexene	C ₆ H ₁₀			0.8	+			8.95	Diesel Fuel #2, whole	m.w. 226	1.3		0.7	+	0.35	+	
Cyclohexylamine	C ₆ H ₁₃ N			1.2				8.62	Diesel Fuel #2, vapors				0.4				
Cyclopentane	C ₅ H ₁₀	NR	+	15	+	1.1	+	10.35	Diethylamine	C ₄ H ₁₁ N			0.97	+			8.01
Cyclopropylamine	C ₃ H ₇ N	1.1	+	0.9	+	0.9	+		Diethylaminopropylamine, 3-	C ₇ H ₁₈ N ₂			1.3				
Decane	C ₁₀ H ₂₂	4.0	+	1.4	+	0.35	+	9.65	Diethylmaleate	C ₈ H ₁₂ O ₄			4				
Diacetone alcohol	C ₆ H ₁₂ O ₂			0.7					Diglyme	C ₆ H ₁₄ O ₃	0.64	+	0.54	+	0.44	+	<9.8
Dibromochloromethane	CHBr ₂ Cl	NR	+	5.3	+	0.66	+	10.59	Diisopropylamine	C ₆ H ₁₅ N	0.84	+	0.74	+	0.5	+	7.73

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Diketene	C ₄ H ₄ O ₂	2.6	+	2.0	+	1.4	+	9.6	Ethylenediamine	C ₂ H ₈ N ₂	0.9	+	0.8	+	1.00	+	8.6
Dimethylacetamide, N,N-	C ₆ H ₁₅ N	0.87	+	0.8	+	0.8	+	8.81	Ethylene glycol	C ₂ H ₆ O ₂			16	+	6	+	10.16
Dimethylamine	C ₂ H ₇ N			1.5				8.23	Ethylene glycol dimethyl ether	C ₄ H ₁₀ O ₂	1.1	+	0.86	+	0.7	+	9.2
Dimethyl carbonate	C ₃ H ₆ O ₃	NR	+	70	+	1.7	+	~10.5	Ethylene oxide	C ₂ H ₄ O			13	+	3.5	+	10.57
Dimethyl disulfide	C ₂ H ₆ S ₂	0.2	+	0.20	+	0.21	+	7.4	Ethyl ether	C ₄ H ₁₀ O			1.1	+			9.51
Dimethylethylamine	C ₄ H ₁₁ N	1.1	+	1.0	+	0.9	+	7.74	Ethyl 3-ethoxypropionate	C ₇ H ₁₄ O ₃	1.2	+	0.75	+			
Dimethylformamide, N,N-	C ₃ H ₇ NO	0.7	+	0.7	+	0.8	+	9.13	Ethyl formate	C ₃ H ₆ O ₂					1.9		10.61
Dimethylhydrazine, 1,1-	C ₂ H ₈ N ₂			0.78	+	0.83	+	7.28	Ethyl hexyl acrylate, 2-	C ₁₁ H ₂₀ O ₂			1.1	+	0.48	+	
Dimethyl methylphosphonate	C ₃ H ₉ O ₃ P	NR	+	4.3	+	0.74	+	10.0	Ethylidenenorbornene	C ₉ H ₁₂	0.43	+	0.39	+	0.34	+	≤8.8
Dimethyl sulfate	C ₂ H ₆ O ₄ S	~23		~20	+	2.3	+		Ethyl (S)-(-)-lactate	C ₅ H ₁₀ O ₃	13	+	3.2	+	1.6	+	~10
Dimethyl sulfoxide	C ₂ H ₆ OS			1.4	+			9.10	Ethyl mercaptan	C ₂ H ₆ S	0.60	+	0.56	+			9.29
Dioxane, 1,4-	C ₄ H ₈ O ₂			1.3				9.19	Ethyl sulfide	C ₄ H ₁₀ S			0.51	+			8.43
Dioxolane, 1,3-	C ₃ H ₆ O ₂	4.0	+	2.3	+	1.6	+	9.9	Formaldehyde	CH ₂ O	NR	+	NR	+	1.6	+	10.87
DS-108F Wipe Solvent	m.w. 118	3.3	+	1.6	+	0.7	+		Formamide	CH ₃ NO			6.9	+	4		10.16
Dowtherm J (97% Diethylbenzene)	C ₁₀ H ₁₄			0.5					Formic acid	CH ₂ O ₂	NR	+	NR	+	9	+	11.33
Epichlorohydrin	C ₂ H ₅ ClO	~200	+	8.5	+	1.4	+	10.2	Furfural	C ₅ H ₄ O ₂			0.92	+	0.8	+	9.21
Ethane	C ₂ H ₆			NR	+	15	+	11.52	Furfuryl alcohol	C ₅ H ₆ O ₂			0.80	+			<9.5
Ethanol	C ₂ H ₆ O			10	+	3.1	+	10.47	Gasoline #1	m.w. 72			0.85	+			
Ethanolamine	C ₂ H ₇ NO	5.6	+	1.6	+			8.96	Gasoline #2, 92 octane	m.w. 93	1.3	+	1.0	+	0.47	+	
Ethene	C ₂ H ₄			9	+	4.5	+	10.51	Glutaraldehyde	C ₅ H ₈ O ₂	1.1	+	0.8	+	0.6	+	
Ethoxyethanol, 2-	C ₄ H ₁₀ O ₂			1.3				9.6	Halothane	C ₂ HB ₁ ClF ₃					0.6		11.0
Ethyl acetate	C ₄ H ₈ O ₂			4.6	+			10.0	Heptane, n-	C ₇ H ₁₆	45	+	2.8	+	0.60	+	9.92
Ethyl acrylate	C ₅ H ₈ O ₂			2.4	+	1.0	+	(<10.3)	Hexamethyldisilazane	C ₆ H ₁₉ NSi ₂			0.24	+	0.19	+	~8.6
Ethylamine	C ₂ H ₇ N			0.8				8.86	Hexane, n-	C ₆ H ₁₄	350	+	4.3	+	0.54	+	10.13
Ethylbenzene	C ₈ H ₁₀	0.52	+	0.52	+	0.51	+	8.77	Hexanol, 1-	C ₆ H ₁₄ O	9	+	2.5	+	0.55	+	9.89

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Hexene, 1-	C ₆ H ₁₂			0.8				9.44	Isopropanol	C ₃ H ₈ O	500	+	6.0	+	2.7		10.12	
Histoclear	m.w. 136	0.5	+	0.4	+	0.3	+		Isopropyl acetate	C ₅ H ₁₀ O ₂			2.6				9.99	
Hydrazine	H ₄ N ₂	>8	+	3	+	2.1	+	8.1	Isopropyl ether	C ₆ H ₁₄ O			0.8				9.20	
Hydrogen	H ₂	NR	+	NR	+	NR	+	15.43	Jet fuel JP-4	m.w. 115			1.0	+	0.42	+		
Hydrogen cyanide	HCN	NR	+	NR	+	NR	+	13.6	Jet fuel JP-5	m.w. 167			0.6	+	0.46	+		
Hydrogen peroxide	H ₂ O ₂	NR	+	NR	+	NR	+	10.54	Jet fuel JP-8	m.w. 165			0.6	+	0.32	+		
Hydrogen sulfide	H ₂ S	NR	+	3.3	+	1.5	+	10.5	Jet fuel A-1 (JP-8)	m.w. 145			0.67					
Iodine	I ₂	0.1	+	0.1	+	0.1	+	9.40	Jet fuel TS	m.w. 165	0.9	+	0.6	+	0.3	+		
Iodomethane	CH ₃ I	0.21	+	0.22	+	0.26	+	9.54	Limonene, D-	C ₁₀ H ₁₆			0.33	+			~8.2	
Isoamyl acetate	C ₇ H ₁₄ O ₂	10.1	+	2.1	+	1.0	+	<10	Maleic anhydride	C ₄ H ₂ O ₃							~10.8	
Isobutane	C ₄ H ₁₀			100	+	1.2	+	10.57	Mesitylene	C ₉ H ₁₂	0.36	+	0.35	+	0.32	+		8.41
Isobutanol	C ₄ H ₁₀ O	19	+	3.8	+	1.5		10.0	Methane	CH ₄	NR	+	NR	+	NR	+		12.61
Isobutene	C ₄ H ₈	1.00	+	1.00	+	1.00	+	9.24	Methanol	CH ₄ O	NR	+	NR	+	2.5	+		10.85
Isobutyl acetate	C ₆ H ₁₂ O ₂			2.6					Methoxyethanol, 2-	C ₃ H ₈ O ₂	4.8	+	2.4	+	1.4	+		10.1
Isobutyl acrylate	C ₇ H ₁₂ O ₂			1.5	+	0.60	+		Methoxyethoxyethanol, 2-	C ₇ H ₁₆ O ₃	2.3	+	1.2	+	0.9	+		<10
Isoflurane	C ₃ H ₂ ClF ₅ O							~11.7	Methyl acetate	C ₃ H ₆ O ₂	NR	+	6.6	+	1.4	+		10.27
Isooctane	C ₈ H ₁₈			1.2				9.86	Methyl chloride	CH ₃ Cl	NR	+	NR	+	0.74	+		11.22
Isopar E Solvent	m.w. 121	1.7	+	0.8	+				Methylcyclohexane	C ₇ H ₁₄	1.6	+	0.97	+	0.53	+		9.64
Isopar G Solvent	m.w. 148			0.79	+				Methylene chloride	CH ₂ Cl ₂	NR	+	NR	+	0.89	+		11.32
Isopar K Solvent	m.w. 156	0.85	+	0.53	+	0.27	+		Methyl ether	C ₂ H ₆ O	4.8	+	3.1	+	2.5	+		10.0
Isopar L Solvent	m.w. 163	0.86	+	0.52	+	0.28	+		Methyl ethyl ketone		0.86	+	0.86	+	1.1	+		9.51
Isopar M Solvent	m.w. 191			0.66	+	0.4	+		Methylhydrazine	C ₂ H ₆ N ₂	1.4	+	1.2	+	1.3	+		7.7
Isopentane	C ₅ H ₁₂			8.2				10.22	Methyl isobutyl ketone	C ₆ H ₁₂ O	0.9	+	0.8	+	0.6	+		9.30
Isophorone	C ₉ H ₁₄ O					3		9.07	Methyl isocyanate	C ₂ H ₃ NO	NR	+	4.6	+	1.5			10.67
Isoprene	C ₅ H ₈	0.69	+	0.63	+	0.60	+	8.85	Methyl isothiocyanate	C ₂ H ₃ NS	0.5	+	0.45	+	0.4	+		9.25

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Methyl mercaptan	CH ₄ S	0.65	+	0.54	+	0.66	+	9.44	Octane, n-	C ₈ H ₁₈	13.2	+	1.8	+			9.82
Methyl methacrylate	C ₅ H ₈ O ₂	2.7	+	1.5	+	1.2	+	9.7	Octene, 1-	C ₈ H ₁₆	0.9	+	0.75	+	0.4	+	9.43
Methyl nonafluorobutyl ether	C ₅ H ₃ F ₉ O			NR	+	~35	+		Otto Fuel II				>40		~6		
Methyl-1,5-pentanediamine, 2-	C ₆ H ₁₆ N ₂			~0.6	+	coats lamp		<9	Pentane	C ₅ H ₁₂	80	+	8.4	+	0.7	+	10.22
Methyl propyl ketone	C ₅ H ₁₂ O			0.93	+	0.79	+	9.38	Peracetic acid	C ₂ H ₄ O ₃	NR	+	NR	+	2.3	+	
Methyl-2-pyrrolidinone, N-	C ₅ H ₉ NO	1.0	+	0.8	+	0.9	+	9.17	Peracetic/Acetic acid mix	C ₂ H ₄ O ₃			50	+	2.5	+	
Methyl salicylate	C ₈ H ₈ O ₃	1.3	+	0.9	+	0.9	+	~9	Perchloroethene	C ₂ Cl ₄	0.69	+	0.57	+	0.31	+	9.32
Methylstyrene, α-	C ₉ H ₁₀			0.5				8.18	PGME	C ₄ H ₁₂ O ₂	2.4	+	1.5	+	1.1	+	
Methyl sulfide	C ₂ H ₆ S	0.49	+	0.44	+	0.46	+	8.69	PGMEA	C ₆ H ₁₂ O ₃	1.65	+	1.0	+	0.82	+	
Mineral spirits	m.w. 144			0.71	+	0.39	+		Phenol	C ₆ H ₆ O	1.0	+	1.0	+	0.9	+	8.51
Mustard gas	C ₄ H ₈ Cl ₂ S			0.6					Phosgene	CCl ₂ O	NR	+	NR	+	8.5	+	11.2
Naphthalene	C ₁₀ H ₈	0.45	+	0.42	+	0.40	+	8.13	Phosgene in Nitrogen	CCl ₂ O	NR	+	NR	+	6.8		11.2
Nickel carbonyl in CO	C ₄ O ₄ Ni			0.17				<8.8	Phosphine	PH ₃	28		3.9	+	1.1	+	9.87
Nitric oxide	NO	~6		5.2	+	2.8	+	9.26	Picoline, 3-	C ₆ H ₇ N			0.9				9.04
Nitrobenzene	C ₆ H ₅ NO ₂	2.6	+	1.9	+	1.6	+	9.81	Pinene, α-	C ₁₀ H ₁₆			0.31	+	0.47		8.07
Nitroethane	C ₂ H ₅ NO ₂					3		10.88	Pinene, b-	C ₁₀ H ₁₆	0.38	+	0.37	+	0.37	+	~8
Nitrogen dioxide	NO ₂	23	+	16	+	6	+	9.75	Piperylene, isomer mix	C ₅ H ₈	0.76	+	0.69	+	0.64	+	8.6
Nitrogen tetroxide	N ₂ O ₄							10.8	Propane	C ₃ H ₈			NR	+	1.8	+	11.0
Nitrogen trifluoride	NF ₃	NR		NR		NR		13.00	Propanol, n-	C ₃ H ₈ O			5		1.7		10.22
Nitromethane	CH ₃ NO ₂					4		11.02	Propene	C ₃ H ₆	1.5	+	1.4	+	1.6	+	9.73
Nitropropane, 2-	C ₃ H ₇ NO ₂					2.6		10.71	Propionaldehyde	C ₃ H ₆ O			1.9				9.95
Nitrous Oxide	N ₂ O	NR		NR		NR		12.9	Propylamine, n-	C ₃ H ₉ N	1.1	+	1.1	+	0.9	+	8.78
Nonane	C ₉ H ₂₀			1.4				9.72	Propyl acetate, n-	C ₅ H ₁₀ O ₂			3.5				10.04
Norpar 12	m.w. 161	3.2	+	1.1	+	0.28	+		Propyl mercaptan, 2-	C ₃ H ₈ S	0.64	+	0.66	+			9.15
Norpar 13	m.w. 189	2.7	+	1.0	+	0.3	+		Propylene carbonate	C ₄ H ₆ O ₃			62	+	1	+	10.52

PID Correction Factors

Compound Name	Formula	9.8	C	10.6	C	11.7	C	IP (eV)	Compound Name	Formula	9.8	C	10.6	C	11.7	C	IP (eV)
Propylene glycol	C ₃ H ₈ O ₂	18		5.5	+	1.6	+	<10.2	Trichloroethane, 1,1,2-	C ₂ H ₃ Cl ₃	NR	+	NR	+	0.9	+	11.0
Propylene oxide	C ₃ H ₆ O	~240	+	6.6	+	2.9	+	10.22	Trichloroethene	C ₂ HCl ₃	0.62	+	0.54	+	0.43	+	9.47
Propyleneimine	C ₃ H ₇ N	1.5	+	1.25	+	1.0	+	9.0	Trichloromethylsilane	CH ₃ Cl ₃ Si	NR		NR		1.8	+	11.36
Pyridine	C ₅ H ₅ N	0.78	+	0.68	+	0.7	+	9.25	Trichlorotrifluoroethane, 1,1,2-	C ₂ Cl ₃ F ₃			NR		NR		12.0
Pyrrolidine (coats lamp)	C ₄ H ₉ N	2.1	+	1.3	+	1.6	+	~8.0	Triethylamine	C ₆ H ₁₅ N	0.95	+	0.9	+	0.65	+	7.3
RR7300	C ₄ H ₁₀ O ₂			1.4	+	1.0	+		Triethyl borate	C ₆ H ₁₅ O ₃ B			2.2	+	1.1		~10
Sarin	C ₄ H ₁₀ FO ₂ P			3					Triethyl phosphate	C ₆ H ₁₅ O ₄ P	~50	+	3.1	+	0.60	+	9.79
Styrene	C ₈ H ₈	0.45	+	0.40	+	0.4	+	8.43	Trifluoroethane, 1,1,2-	C ₂ H ₃ F ₃					34		12.9
Sulfur dioxide	SO ₂			NR	+	NR	+	12.32	Trimethylamine	C ₃ H ₉ N			0.85				7.82
Sulfur hexafluoride	SF ₆	NR		NR		NR		15.3	Trimethyl borate	C ₃ H ₉ O ₃ B			5.1	+	1.2	+	10.1
Sulfuryl fluoride	SO ₂ F ₂	NR		NR		NR		13.0	Trimethyl phosphate	C ₃ H ₉ O ₄ P			8.0	+	1.3	+	9.99
Tabun	C ₅ H ₁₁ N ₂ O ₂ P			0.8					Trimethyl phosphite	C ₃ H ₉ O ₃ P			1.1	+	0.7	+	8.5
Tetrachloroethane, 1,1,1,2-	C ₂ H ₂ Cl ₄					1.3		~11.1	Turpentine	C ₁₀ H ₁₆	0.4	+	0.3	+			~8
Tetrachloroethane, 1,1,2,2-	C ₂ H ₂ Cl ₄	NR	+	NR	+	0.60	+	~11.1	Undecane	C ₁₁ H ₂₄			2				9.56
Tetrachlorosilane	SiCl ₄	NR		NR		15	+	11.79	Vinyl acetate	C ₄ H ₆ O ₂	1.5	+	1.2	+	1.0	+	9.19
Tetraethyl orthosilicate	C ₈ H ₂₀ O ₄ Si			0.71	+	0.22	+	~9.8	Vinyl bromide	C ₂ H ₃ Br			0.4				9.80
Tetrafluoroethane, 1,1,1,2-	C ₂ H ₂ F ₄			NR		NR			Vinyl chloride	C ₂ H ₃ Cl			2.0	+	0.64	+	9.99
Tetrafluoroethene	C ₂ F ₄			~15				10.12	Vinyl-1-cyclohexene, 4-	C ₈ H ₁₂	0.6	+	0.56	+			8.93
Tetrafluoromethane	CF ₄			NR	+	NR	+	>15.3	Vinyl-2-pyrrolidinone, 1-	C ₆ H ₇ NO	1.0	+	0.8	+	0.9	+	
Tetrahydrofuran	C ₄ H ₈ O	1.9	+	1.7	+	1.0	+	9.41	V. M. & P. Naphtha	m.w. 111			~1				
Tetramethyl orthosilicate	C ₄ H ₁₂ O ₄ Si	10	+	1.9	+			~10	Xylene, m-	C ₈ H ₁₀	0.50	+	0.43	+	0.40	+	8.56
Therminol VP-1				0.4	+				Xylene, o-	C ₈ H ₁₀	0.57	+	0.59	+	0.69		8.56
Toluene	C ₇ H ₈	0.54	+	0.50	+	0.51	+	8.82	Xylene, p-	C ₈ H ₁₀			0.45	+	0.62	+	8.44
Trichlorobenzene, 1,2,4-	C ₆ H ₃ Cl ₃	0.7	+	0.46	+			9.04									
Trichloroethane, 1,1,1-	C ₂ H ₃ Cl ₃			NR	+	0.98	+	11									